



**MARACHA DISTRICT PRIMARY SCHOOLS
EXAMINATIONS BOARD 2024**
MOCK EXAMINATION
PRIMARY SEVEN
MATHEMATICS
2 HOURS 30 MINUTES

INDEX NUMBER	EMIS NUMBER						PERSONAL NUMBER		
NAME:									
SCHOOL:									
SUB - COUNTY									
SIGNATURE									

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.
Read the following instructions carefully.

1. This paper is made up of two sections:
A and **B**
2. Answers to both sections must be written in the spaces provided in full sentences.
3. Section **A** has **20** questions (40 marks)
4. Section **B** has **12** questions (60 marks)
5. **Attempt ALL questions.** All answers to both Sections A and B **MUST** be written in the spaces provided
6. ALL answers must be written in blue or Black ball point or ink. Only diagrams And graphs work must be done in pencil
7. Unnecessary alterations of work will lead to loss of marks.

FOR EXAMINER'S USE ONLY

QN.NO.	MARK	SIGN
1 - 10		
11 - 20		
21-		
23-		
25-		
27-		
29-		
31-		
TOTAL		

SECTION A

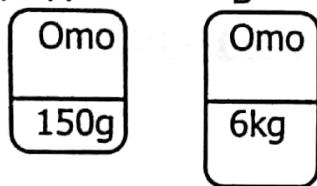
1. Workout: $2024 - 12$

2. Find the next number in the sequence;
 $30, 32, 35, 40, 47, \underline{\hspace{2cm}}$

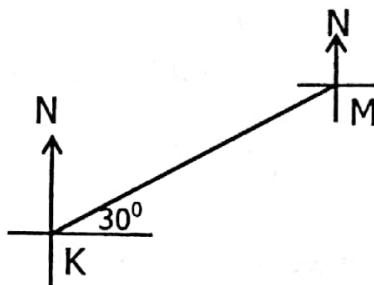
3. In a parish, there are 72,015 people according to the recent census report write the number of people in the Parish in words.

4. The range of a set of number is 24. If the lowest number is 16. Find the highest number.

5. How many packets of A can be got from B? A B



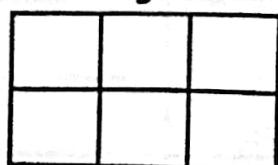
6. In the diagram below, find the bearing of town K from town M.



7. Given that set $T = \{ 4, 6, 8 \}$ how many proper sets can be formed from set T?

8. Solve for d: $2d + 4 + 3d = 14$

9. In the diagram below shade 2 : 3



10. Use a dial to subtract
 $1 - 4 = \underline{\hspace{2cm}}$ (finite 5)

11. A bursar issued receipts numbered from AZ05780 to AZ05899 consecutively. Given that each receipt costs sh.1500. calculate the amount of money collected by the bursar.

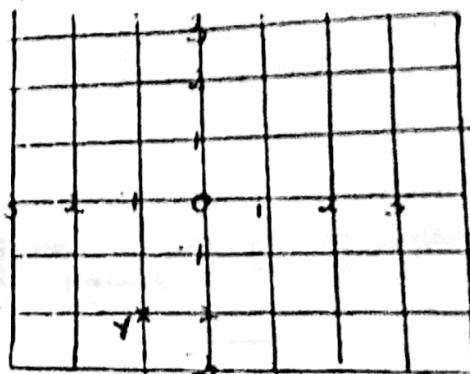
13. The seminar for teachers started at 8:40a.m and lasted for $2\frac{1}{2}$ hours. At what time did the meeting end?

15. Calculate the square root of $1^{11}/25$.

17. Solve for the unknown
 $3^1 \times 3^4 = 3^{n+2}$

12. Multiply $31_{\text{six}} \times 3_{\text{six}}$

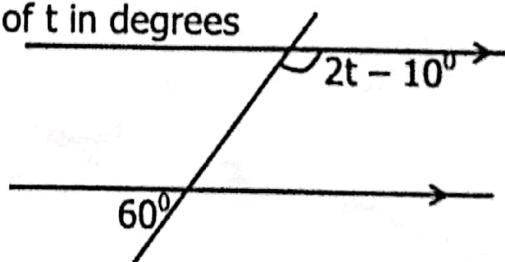
14. Use the grid below to answer the questions that follow



a). Plot point Z(2,3)

b). Identify the coordinates of point Y

16. In the diagram below, find the value of t in degrees



18. The base area of a cylindrical tank is 3600cm^2 . Calculate its capacity Given that its height is 15cm

19. Given that; $a = \frac{3}{4}$, $b = \frac{5}{9}$,
 $c = \frac{1}{3}$. Find the value of $ab - ac$.

20. Mr. Tom spends 75% of his salary and saves the rest. If his salary is sh.340,000, how much does he save?

SECTION B

21a). Find the value of the digit in the place value of hundreds in 1014. (2mks)

b). Write the missing number in the box

$$\boxed{} - CXXIII = CXXV$$

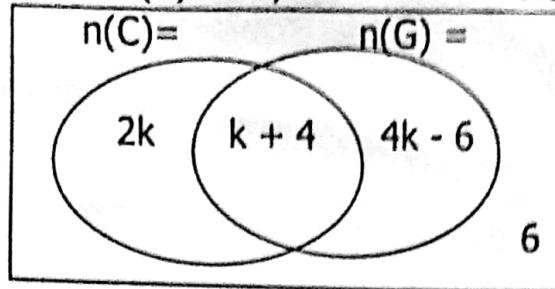
(3mks)

22. Musa bought a radio at sh.90,000. He sold it to Mary making a loss of 20%.
Mary later sold the same radio to Betty at a profit of 5%.

a). How much money did Mary pay for the radio? (3mks)

b). Calculate the selling price of Mary to realise a profit of 5%. (2mks)

23. The Venn diagram below shows the number of farmers who own Goats (G) and cows (C) study it and use it to answer the questions that follow.



a). If 18 farmers own goats, find the value of K. (3mks)

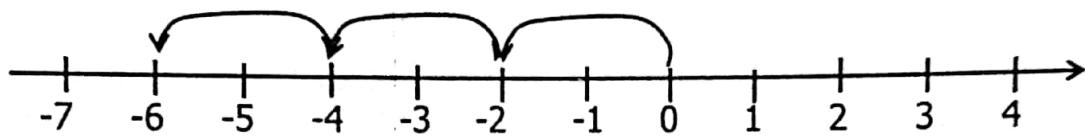
b). How many farmers are there altogether? (2mks)

24. Using a ruler, a pair of compasses only construct a rhombus RACH such that $RA = 7.5\text{cm}$ and diagonal $RC = 9\text{cm}$ (5mks)

25. The sum of three consecutive odd numbers is 27. If the largest odd number is P. find the product of the numbers. (5mks)

26a). Simplify: $7 - 6$ (2mks)

b). Write the mathematical statement shown on the number line. (2mks)



27. Marvin went to omega super market and bought the items shown in the table below.

a). Complete the table. (4mks)

ITEM	QUANTITY	UNIT COST	AMOUNT
Bread	3 loaves	sh. ____ per loaf	sh.7500
Sugar	2½ kg	sh.3000 per kg	sh._____
Blue band	____ tins	sh.2500 per tin	sh.10000
Total expenditure			sh._____

b). If Marvin was given a discount sh.1200 on the total expenditure, how much did he pay?

(2mks)

28. A Nile star bus travelling from Arua to Kampala at an average speed of 60km/h broke down after $2\frac{1}{2}$ hours drive. The repair took 30minutes. The bus continued with the Journey at an average speed of 50km/h for an hour.

a). Find the distance covered by the bus before breaking down. (2mks)

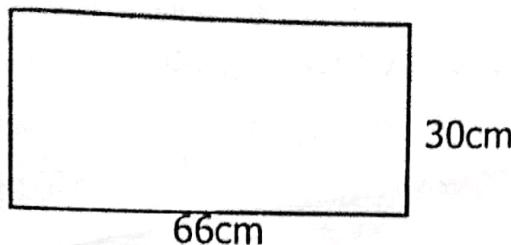
b). Workout the average speed of the bus for the whole Journey. (3mks)

29a). Workout: $(30 \div 0.7) + (0.7 \div 19)$ (2mks)

b). Find the number whose expanded form is
 $(7 \times 10^4) + (6 \times 10^2) + (4 \times 10^0) + (9 \times 10^{-2})$. (3mks)

30. Milton shared sh.18,000 among his three children Arima, Ben and Charles such that Arima gets sh.2000 more than Ben and Charles sh.1000 less than Arima. How much does each get? (5mks)

31. A rectangular sheet below is made into a cylindrical tin whose height is 30cm.



a). Find the diameter of the tin. (2mks)

b). Calculate the area of the sheet needed to cover the base of the tank. (3mks)

32. The table below shows the marks scored by the pupils in a class.
Use it to answer the questions that follow

Marks	40	80	50	60
Number of pupils	1	P	2	3

a). If the mean mark of the pupils is 64, find the value of P in the table above. (4mks)

b). How many pupils did the test? (1mk)

The End